

IN THE CLAIMS:

Please cancel claim 1 and add the following new claims.

--11. A nucleic acid encoded by a DNA sequence of human immunodeficiency virus type 1 (HIV-1), wherein the DNA is free of particles of said virus and the DNA has the sequence:

8570 8580 8590 8600 8610
GGGGGACTGG AAGGGCTAAT TCACTCCCAA CGAAGACAAG ATATCCTTGA

8620 8630 8640 8650 8660
TCTGTGGATC TACCAACACAC AAGGCTACTT CCCTGATTGG CAGAACTACA

8670 8680 8690 8700 8710
CACCAAGGGCC AGGGGTCAGA TATCCACTGA CCTTTGGATG GTGCTACAAG

8720 8730 8740 8750 8760
CTAGTACCAAG TTGAGGCCAGA TAAGGTAGAA GAGGCCAATA AAGGAGAGAA

8770 8780 8790 8800 8810
CACCAAGCTTG TTACACCCTG TGAGCCTGCA TGGAATGGAT GACCCTGAGA

8820 8830 8840 8850 8860
GAGAAAGTGTG AGAGTGGAGG TTTGACAGCC GCCTAGCATT TCATCACGTG

8870 8880 8890 8900 8910
GCCCGAGAGC TGCATCCGGA GTACTTCAAG AACTGCTGAC ATCGAGCTTG

8920 8930 8940 8950 8960
CTACAAGGGG CTTTCCGCTG GGACTTTCC AGGGAGGCGT GGCCTGGGCG

8970 8980 8990 9000 9010
GAACTGGGGA GTGGCGAGCC CTCAGATGCT GCATATAAGC AGCTGCTTTT

9020 9030 9040 9050 9060
TGCCTGTACT GGGTCTCTCT GGTTAGACCA GATTTGAGCC TGGGAGCTCT

9070 9080 9090 9097 10
CTGGCTAACT AGGGAACCCA CTGCTTAAGC CTCAATA AAGCTTGCCT

20 30 40 50 60
TGAGTGCTTC AAGTAGTGTG TGCCCGTCTG TTGTGTGACT CTGGTAACTA

70 80 90 100 110
GAGATCCCTC AGACCCTTTT AGTCAGTGTG GAAAATCTCT AGCAGTGGCG

120 130 140 150 159
CCCGAACAGG GACTTGAAAG CGAAAGGGAA ACCAGAGGAG CTCTCTCGA

P
Period